## In the Claims

1.    (Currently Amended)  A <u>computer implemented</u> method of identifying potential risk, the risk due to potential disruptions in material supply to a manufacturing facility, the method comprising:

  identifying a component for an assembled product, the component being purchased from a supplier, wherein identifying the component includes identifying the supplier and a manufacturer's part number of the component; ~~and~~

  storing an identity of the component<u>; and,</u>

  <u>identifying potential risk due to potential disruptions in material supply of the component.</u>

2.    (Currently Amended)  A <u>computer implemented</u> method of identifying potential risk, the risk due to potential disruptions in material supply to a manufacturing facility, the method comprising:

  determining a set of components for an assembled product;

  storing the set of components;

  determining a set of sub-components for the set of components; storing the set of sub-components; ~~and~~

  combining the set of components and the set of sub-components<u>; and,</u>

  <u>identifying potential risk due to potential disruptions in material supply of a component from the set components and the set of of sub-components.</u>

3.    (Currently Amended)  The <u>computer implemented</u> method as recited in claim 2, further comprising:

  storing a country of origin of the set of components.

4.    (Currently Amended)  The <u>computer implemented</u> method as recited in claim 2, further comprising:

  storing an indicia of the geopolitical risk associated with the country of origin of the set of components.

5. (Currently Amended) The <u>computer implemented</u> method as recited in claim 2, further comprising:

storing an identity of a supplier of the set of components.

6. (Currently Amended) The <u>computer implemented</u> method as recited in claim 2, further comprising:

storing an identity of an assembler of the set of components.

7. (Currently Amended) The <u>computer implemented</u> method as recited in claim 2, further comprising:

determining a product assembled by a manufacturer, the product including the set of components.

8. (Currently Amended) The <u>computer implemented</u> method as recited in claim 2, further comprising:

~~determining~~ <u>identifying</u> an end-of-life date of the set of components.

9. (Currently Amended) The <u>computer implemented</u> method as recited in claim 8, further comprising:

~~identifying components at-risk from the set of components due to a capital cycle risk of the set of components~~ <u>determining whether components are at-risk due to a capital cycle risk, the capital cycle risk being determined by predictability of demand versus supply and capital flexibility.</u>

10. (Currently Amended) The <u>computer implemented</u> method as recited in claim 2, further comprising:

storing the identity of a fabricator of the set of components, wherein the identity of the fabricator includes the name of the foundry.

11. (Currently Amended) The <u>computer implemented</u> method as recited in claim 2, further comprising:

~~determining which components from the set of components are implicated based upon an identified geopolitical risk~~ evaluating geopolitical risk based upon geographic concentration and a risk associated with a geographic location.

12.    (Currently Amended)  The <u>computer implemented</u> method as recited in claim 2, further comprising:

~~determining which~~ <u>evaluating whether</u> components from the set of components are implicated based upon an identified innovation risk.

13.    (Currently Amended)  The <u>computer implemented</u> method as recited in claim 2, further comprising:

~~determining which~~ <u>evaluating whether</u> components from the set of components are implicated based upon an identified risk due to a supplier concentration.

14.    (Currently Amended)  The <u>computer implemented</u> method as recited in claim 2, further comprising:

identifying components within a fixed period of an end-of-life date.

15.    (Currently Amended)  The <u>computer implemented</u> method as recited in claim 2, further comprising:

~~forecasting future requirements of a component~~ <u>receiving a production plan and generating a material requirement plan for a component</u>.

16.    (Currently Amended)  The <u>computer implemented</u> method as recited in claim 15, further comprising:

~~forecasting future shortages of the components~~ <u>if quantities of the component are not available to support the material requirement plan for the component, identifying that shortages of the component are possible</u>.

17. - 46 (Cancelled).